

Application No.: 10/636138
Docket No.: CL1049USCNT

Page 2

Amendments to Claims

Listing of Claims:

- 1-18. (Cancelled).
19. (Previously Amended) A method for making a multi-layer cathode backplate structure, comprising the steps of:
- providing a substrate;
 - forming a cathode electrode by depositing a layer of an electrical conductor onto the substrate;
 - selectively printing a layer of thick film dielectric material onto the cathode electrode;
 - drying the layer of thick film dielectric material;
 - selectively printing a layer of imaging paste onto the layer of dielectric material;
 - heating the layer of dielectric material to effect diffusion of the imaging paste into the layer of dielectric material;
 - removing portions of the dielectric material into which the imaging paste has been diffused and leaving exposed portions of the cathode electrode, wherein a plurality of cathode electrodes separated by a dielectric material are formed;
 - firing the structure; and
 - depositing a field emitter material onto at least a portion of the plurality of cathode electrodes.
20. (Original) The method of Claim 19, wherein the step of selectively printing a layer of dielectric material comprises screen printing.
21. (Original) The method of Claim 19, wherein the step of selectively printing a layer of imaging paste comprises screen printing.
22. (Original) The method of Claim 19, wherein the step of developing is aqueous-based.
23. (Original) The method of Claim 23, wherein the field emitter material comprises a precursor field emitter material.
24. (Cancelled).